

ALUMINUM-FIBER LAMINATE

ABSTRACT OF THE DISCLOSURE

5 An exemplary fiber metal laminate includes at least two metallic layers and at least one fiber layer bonded between the two metallic layers. The fiber layer includes a resin matrix and organic polymeric fibers with a modulus of elasticity greater than 270 GPa. The polymeric fibers may include poly diimidazo pyridinylene fibers. The metallic layers may include pre-treated aluminum alloy layers.